AUTHOR INDEX TO VOLUME 136

Abramson, E.H., see A.P.J.M. Jongenelis 136 (1987) 181
Abriel, W., see G. Blasse 136 (1987) 460
Adams, N.G., see C. Rebrion 136 (1987) 495
Ali, A., N. Furio and P.J. Dagdigian, Photolytic production of CN in metastable argon–cyanogen flows 136 (1987) 483
Andresen, P., see D. Weide 136 (1987) 106
Ángyán, J.G., R. Daudel, Á. Kucsman and I.G. Csizmadia, Surface modification by substitution. Changing topology of conformational potential energy surfaces 136 (1987) 1
Anisimov, O.A., see A.V. Veselov 136 (1987) 263
Appleton, W.R.S. and B. Brocklehurst, Effect of magnetic field on the radioluminescence of cyclohexane–benzene mixtures 136 (1987) 199
Arsène, J., see C.K. Jørgensen 136 (1987) 475
Arun Kumar, B.S., N. Suryaprakash, K.V. Ramanathan and C.L. Khetrapal, "Near magic angle" sample spinning in NMR spectra of molecules oriented in individual and mixed liquid crystals of opposite diamagnetic anisotropies 136 (1987) 227
Astashkin, A.V., S.A. Dikanov and Yu.D. Tsvetkov, Spectrometer dead time: effect on electron spin echo modulation spectra in disordered systems 136 (1987) 204
Astashkin, A.V., S.A. Dikanov, V.V. Kurshev and Yu.D. Tsvetkov, Dependence of electron spin-echo modulation amplitude on the microwave field intensity 136 (1987) 335

Balaji, V., K.K. Sunil and K.D. Jordan, Theoretical investigation of the structure and stability of AlCO and $Al(CO)_2$ and their cations 136 (1987) 309
Barra, A.L. and J.B. Robert, Magnetic shielding tensor components in a highly strained phosphorus molecule: 1,2,3-triphenylphosphirene 136 (1987) 224
Barthelat, J.C., see C. Jouany 136 (1987) 52
Basch, H., The electronic states of Al_3 136 (1987) 289
Beland, M., see T. Möller 136 (1987) 551
Bell, M.B., J.K.G. Watson, P.A. Feldman, H.E. Matthews, S.C. Madden and W.M. Irvine, Deuterium hyperfine structure in interstellar C_3HD 136 (1987) 588
Bénard, M., see P. Mougenot 136 (1987) 279
Bernath, P.F., see A.M.R.P. Bopegedera 136 (1987) 97
Bertolini, D., M. Cassettari and G. Salvetti, Solidification of supercooled water: an experimental study of the kinetics 136 (1987) 67
Bill, H., see Y. Ravi Sekhar 136 (1987) 57
Billy, N., see B. Girard 136 (1987) 101
Black, G. and L.E. Jusinski, Laser-induced fluorescence of C_2H_5S radicals 136 (1987) 241
Blasse, G., G.J. Dirksen and W. Abriel, The influence of distortion of the Te(IV) coordination octahedron on its luminescence 136 (1987) 460
Bonnelle, J.P., see M. Lenglet 136 (1987) 478
Bopegedera, A.M.R.P., C.R. Brazier and P.F. Bernath, Laser spectroscopy of calcium and strontium monoacetylides 136 (1987) 97

Borell, P.M., H.-G. Löhmannsröben and K. Luther, Fast internal conversions of S_1 cycloheptatrienes investigated by multiphoton ionization 136 (1987) 371
Börnert, P., W. Dreher, A. Gössler, G. Klee, R. Peter and W. Schneider, Improvements in ^{19}F NMR imaging in perfluorocarbons 136 (1987) 319
Boulon, G., see Y. Kalisky 136 (1987) 368
Bourmada, N., C. Lafage and P. Devolder, Absolute rate constants of the reactions of OH with cyclohexane and ethane at 296 ± 2 K by the discharge flow method 136 (1987) 209
Bowers, M.S., B.H. Choi and K.T. Tang, Quantum mechanical determination of rates of reactions involving hydrogen isotopes 136 (1987) 145
Brazier, C.R., see A.M.R.P. Bopegedera 136 (1987) 97
Brewer, P.D., Two-photon laser-induced fluorescence and "2 + 1' multiphoton ionization of silicon atoms 136 (1987) 557
Brocklehurst, B., see W.R.S. Appleton 136 (1987) 199
Broquier, M., A. Picard-Bersellini and J. Hall, An inelastic rotational transfer study of NH_3 colliding with H_2 and He 136 (1987) 531
Brunet, J.P., see X. Chapuisat 136 (1987) 153
Buch, A., see Y. Kalisky 136 (1987) 368
Burnell, E.E. and C.A. de Lange, On the determination of chemical shielding anisotropies of solutes in liquid-crystal mixtures of opposite diamagnetic anisotropies 136 (1987) 87
Byers Brown, W., High symmetries in quantum chemistry 136 (1987) 128

Callear, A.B. and P.M. Shiundu, Temperature dependence of the Hg 6s6p($^3P_0 \rightarrow {}^3P_1$) transition induced by nitrogen 136 (1987) 342
Cassettari, M., see D. Bertolini 136 (1987) 67
Chapuisat, X., J.P. Brunet and A. Nauts, Dynamics of four particles in hypersperical coordinates 136 (1987) 153
Chapuisat, X., see A. Nauts 136 (1987) 164
Chen, X., L. Li, H. Zhao and C. Zhang, Study of single vibrational level relaxation in $CS_2(R\,^3B_2)$ by stimulated emission pumping 136 (1987) 546
Choi, B.H., see M.S. Bowers 136 (1987) 145
Ciccotti, G., see P. Sindzingre 136 (1987) 35
Cioslowski, J., The connected moments expansion for the zero-point energy of coupled anharmonic oscillators 136 (1987) 515
Coombe, R.D., see S.J. David 136 (1987) 352
Coombe, R.D., see A.P. Ongstad 136 (1987) 358
Cramer, C.J., C.E. Dykstra and S.E. Denmark, An ab initio study of the [1,2] proton transfer from phosphine oxide to phosphinic acid 136 (1987) 17
Csizmadia, I.G., see J.G. Ángyán 136 (1987) 1
Csizmadia, I.G., see M.G. Sylvain 136 (1987) 575
Curtiss, L.A., A theoretical study of the inversion barrier in NF_3^+ 136 (1987) 566
Cyvin, S.J., see I. Gutman 136 (1987) 137

Dagdigian, P.J., see A. Ali 136 (1987) 483
Dam, N., C. Liedenbaum, S. Stolte and J. Reuss, Rotational distributions in seeded molecular beams 136 (1987) 73
Daudel, R., see J.G. Ángyán 136 (1987) 1
Daudey, J.P., see C. Jouany 136 (1987) 52

David, S.J., A.P. Ongstad, M.A. MacDonald and R.D. Coombe, Chemical generation of excited IF($B\,^3\Pi_0$) 136 (1987) 352
David, S.J., see A.P. Ongstad 136 (1987) 358
Davies, M.K., see A.O.S. Maczek 136 (1987) 471
Davies, P.B. and P.A. Martin, Infrared laser spectroscopy of the fundamental band of $a\,^3\Pi$ CO 136 (1987) 527
Davila, J., A. Harriman and L.R. Milgrom, A light-harvesting array of synthetic porphyrins 136 (1987) 427
De Lange, C.A., see E.E. Burnell 136 (1987) 87
Demarquay, J. and J. Fraissard, ^{129}Xe NMR of xenon adsorbed on zeolites. Relationship between the chemical shift and the void space 136 (1987) 314
Demmer, D.R., J.W. Hager, G.W. Leach and S.C. Wallace, Picosecond dynamics of intramolecular vibrational redistribution in the S_2 state of jet-cooled azulene 136 (1987) 329
Demuynck, J., see P. Mougenot 136 (1987) 279
Denmark, S.E., see C.J. Cramer 136 (1987) 17
De Schryver, F.C., see P. Vandereecken 136 (1987) 441
Devolder, P., see N. Bourmada 136 (1987) 209
D'Huysser, A., see M. Lenglet 136 (1987) 478
Dikanov, S.A., see A.V. Astashkin 136 (1987) 204
Dikanov, S.A., see A.V. Astashkin 136 (1987) 335
Dirksen, G.J., see G. Blasse 136 (1987) 460
Donnelly, R.A., Geometry optimization by simulated annealing 136 (1987) 274
Dreher, W., see P. Börnert 136 (1987) 319
Dürr, J., see M. Lenglet 136 (1987) 478
Dyet, J.A., see M.R.S. McCoustra 136 (1987) 231
Dykstra, C.E., see C.J. Cramer 136 (1987) 17
Dykstra, C.E., see S. Liu 136 (1987) 22
Dymanus, A., see G. Meijer 136 (1987) 519

Eryomin, V. and N. Kuz'menko, Simple relations in the Stuckelberg model of bound–continuum transitions 136 (1987) 510

Fataftah, Z.A., see M.R. Ibrahim 136 (1987) 583
Feldman, P.A., see M.B. Bell 136 (1987) 588
Fischer, S.F., see P.O.J. Scherer 136 (1987) 431
Follmeg, B., P. Rosmus and H.-J. Werner, Vibration–rotation transition probabilities in CH^+ and CD^+ 136 (1987) 562
Fraissard, J., see J. Demarquay 136 (1987) 314
Freed, K.F., see M.R. Hoffmann 136 (1987) 392
Frenkel, D., see P. Sindzingre 136 (1987) 35
Freund, H.-J., see D. Weide 136 (1987) 106
Fujino, M., Photoconductivity in organopolysilanes 136 (1987) 451
Furio, N., see A. Ali 136 (1987) 483

Gadzuk, J.W., Selectivity of elementary molecular processes in molecule–surface collisions 136 (1987) 402
Gibson, E.M., A.C. Jones and D. Phillips, 4-N,N-dimethylaminobenzonitrile: the absence of a* fluorescence under jet-cooled conditions 136 (1987) 454

Gill, P.M.W. and L. Radom, A rationalization of unusually late transition structures for dication fragmentations 136 (1987) 294
Girard, B., N. Billy, G. Gouedard and J. Vigué, LIF study of the $I_2 + F \rightarrow IF + I$ reaction: Population of the $v'' = 0$ level of IF 136 (1987) 101
Gössler, A., see P. Börnert 136 (1987) 319
Gouedard, G., see B. Girard 136 (1987) 101
Grätzel, M., see N. Serpone 136 (1987) 47
Greenblatt, G.D. and A.R. Ravishankara, Collisional quenching of $NO(A,v' = 0)$ by various gases 136 (1987) 501
Gutman, I., Wiener numbers of benzenoid hydrocarbons: two theorems 136 (1987) 134
Gutman, I. and S.J. Cyvin, A new method for the enumeration of Kekulé structures 136 (1987) 137

Ha, T.-K., see M.T. Nguyen 136 (1987) 413
Hager, J.W., see D.R. Demmer 136 (1987) 329
Hall, J., see M. Broquier 136 (1987) 531
Harriman, A., see J. Davila 136 (1987) 427
Hasegawa, A., see K. Ohta 136 (1987) 465
Hayashi, H., Y. Sakaguchi, M. Tsunooka, H. Yanagi and M. Tanaka, Laser flash photolysis study of magnetic field effects on the photodecomposition of phenacyl phenyl sulfone in micellar solution 136 (1987) 436
Heidrich, D., M. Rückert and H.-J. Köhler, The course of photon exchange reactions: a theoretical study 136 (1987) 13
Hirata, F. and R.M. Levy, A new RISM integral equation for solvated polymers 136 (1987) 267
Hoffmann, M.R., X.-C. Wang and K.F. Freed, Influence of molecular geometry on valence space for quasidegenerate many-body perturbation theory 136 (1987) 392

Ibrahim, M.R. and Z.A. Fataftah, Estimation of zero-point energies of bromo and thio compounds 136 (1987) 583
Ibuki, T., N. Washida, U. Itoh, Y. Toyoshima and H. Onuki, Absorption spectra of $SiCl_4$, Si_2Cl_6, SiF_3CH_3 and GeF_4 in the VUV region 136 (1987) 447
Irvine, W.M., see M.B. Bell 136 (1987) 588
Ish-Shalom, M., see Y. Kalisky 136 (1987) 368
Ito, M., see F. Kitamura 136 (1987) 62
Itoh, M., see Y. Tanimoto 136 (1987) 42
Itoh, U., see T. Ibuki 136 (1987) 447
Iwai, K., see Y. Tanimoto 136 (1987) 42

Jansen, B., see G. Meijer 136 (1987) 519
Jones, A.C., see E.M. Gibson 136 (1987) 454
Jongenelis, A.P.J.M., E.H. Abramson, A.M.P. Ros and J. Schmidt, Triplet exciton zero-field ODMR on naphthalene at 1.2 K 136 (1987) 181
Jordan, K.D., see V. Balaji 136 (1987) 309
Jørgensen, C.K., M. Lenglet and J. Arsène, Critical comparison of configuration interaction and oxidation state with spectroscopic properties of nickel oxide and other solid oxides 136 (1987) 475
Jørgensen, C.K., see M. Lenglet 136 (1987) 478
Jouany, C., J.C. Barthelat and J.P. Daudey, Stabilization of a π double bond between two boron atoms. A theoretical approach 136 (1987) 52
Jusinski, L.E., see G. Black 136 (1987) 241

Kalisky, Y., V. Poncon, G. Boulon, R. Reisfeld, A. Buch and M. Ish-Shalom, Time-resolved spectroscopy of chromium(III) in mullite transparent glass ceramics 136 (1987) 368
Kalpouzos, C., see W.T. Lotshaw 136 (1987) 323
Karpfen, A., Ab initio studies on polymers: torsional potential in helical sulfur chains 136 (1987) 571
Karplus, M., see B.M. Pettitt 136 (1987) 383
Kasai, T., see H. Ohoyama 136 (1987) 236
Kenney-Wallace, G.A., see W.T. Lotshaw 136 (1987) 323
Khetrapal, C.L., see B.S. Arun Kumar 136 (1987) 227
Kinnunen, P.K.J., A.-P. Tulkki, H. Lemmetyinen, J. Paakkola and J.A. Virtanen, Characteristics of excimer formation in Langmuir–Blodgett assemblies of 1-palmitoyl-2-pyrenedecanoylphosphatidylcholine and dipalmitoylphosphatidylcholine 136 (1987) 539
Kitamura, F., M. Takahashi and M. Ito, Anodic oxidation of cyanide and cyanate ions on a platinum electrode 136 (1987) 62
Klee, G., see P. Börnert 136 (1987) 319
Köhler, H.-J., see D. Heidrich 136 (1987) 13
Kucsman, Á., see J.G. Ángyán 136 (1987) 1
Kurshev, V.V., see A.V. Astashkin 136 (1987) 335
Kusumoto, Y., A spectrofluorimetric method for determining the association constants of pyrene with cyclodextrins based on polarity variation 136 (1987) 535
Kuwata, K., see H. Ohoyama 136 (1987) 236
Kuz'menko, N., see V. Eryomin 136 (1987) 510

Lafage, C., see N. Bourmada 136 (1987) 209
Laganà, A., see P. Tosi 136 (1987) 398
Laschi, F., see C. Rossi 136 (1987) 506
László, I. and L. Udvardi, On the geometrical structure and UV spectrum of the truncated icosahedral C_{60} molecule 136 (1987) 418
Latajka, Z., see J. Moc 136 (1987) 122
Leach, G.W., see D.R. Demmer 136 (1987) 329
Lemmetyinen, H., see P.K.J. Kinnunen 136 (1987) 539
Lenglet, M., see C.K. Jørgensen 136 (1987) 475
Lenglet, M., A. d'Huysser, J.P. Bonnelle, J. Dürr and C.K. Jørgensen, Analysis of X-ray Ni Kβ emission, XANES, XPS Ni 2p, and optical spectra of nickel(II) spinels and structure inference 136 (1987) 478
Lersch, W. and M.E. Michel-Beyerle, A theoretical lineshape study of the RYDMR signal from a localized radical pair 136 (1987) 346
Leshina, T.V., see N.E. Polyakov 136 (1987) 31
Levine, R.D., see R.N. Zare 136 (1987) 593
Levy, R.M., see F. Hirata 136 (1987) 267
Li, L., see X. Chen 136 (1987) 546
Liedenbaum, C., see N. Dam 136 (1987) 73
Lifshitz, C., see J.P. Ziesel 136 (1987) 81
Liu, S. and C.E. Dykstra, Electrically caused vibrational frequency shifts and dipole moments in rare gas hydrogen bonded complexes 136 (1987) 22
Liu, S., see Y. Qiu 136 (1987) 187
Löhmannsröben, H.-G., see P.M. Borell 136 (1987) 371
Lotshaw, W.T., D. McMorrow, C. Kalpouzos and G.A. Kenney-Wallace, Femtosecond dynamics of the optical Kerr effect in liquid nitrobenzene and chlorobenzene 136 (1987) 323

Lovy, D., see Y. Ravi Sekhar 136 (1987) 57
Lupkowski, M. and P.A. Monson, Solution of the site–site Ornstein–Zernike equation in the hypernetted chain approximation near the vapor–liquid critical point 136 (1987) 258
Luther, K., see P.M. Borell 136 (1987) 371
Lyke, R.L., see S.B. Phillips 136 (1987) 247

MacDonald, M.A., see S.J. David 136 (1987) 352
Maczek, A.O.S. and M.K. Davies, Anomalous thermal conductivity near the upper critical solution temperature of a binary liquid mixture 136 (1987) 471
Madden, S.C., see M.B. Bell 136 (1987) 588
Magnasco, V., M. Rui and G.F. Musso, Bond-orbital study of the angular geometry of small polyatomic molecules 136 (1987) 303
Malinovich, Y., see J.P. Ziesel 136 (1987) 81
Marchettini, N., see C. Rossi 136 (1987) 506
Märk, T.D., P. Scheier and A. Stamatovic, Formation of SO_2^-, $SO_2 \cdot O^-$ and $SO_2 \cdot SO^-$ by electron attachment to van der Waals SO_2 clusters 136 (1987) 177
Märk, T.D., see P. Scheier 136 (1987) 423
Marquette, J.B., see C. Rebrion 136 (1987) 495
Martin, P.A., see P.B. Davies 136 (1987) 527
Massobrio, C., see P. Sindzingre 136 (1987) 35
Matthews, H.E., see M.B. Bell 136 (1987) 588
Mayer, I. and Á. Vibók, SCF theory of intermolecular interactions without basis set superposition error 136 (1987) 115
McCoustra, M.R.S., J.A. Dyet and J. Pfab, Laser photofragment spectroscopy of jet-cooled $CClF_2NO$ 136 (1987) 231
McMorrow, D., see W.T. Lotshaw 136 (1987) 323
Meijer, G., B. Jansen, J.J. ter Meulen and A. Dymanus, High-resolution spectroscopy on the $B\,^2\Sigma^+$, $v' = 0 \leftarrow X\,^2\Pi$, $v'' = 1$ transition in SiCl 136 (1987) 519
Melekhov, V.I., see A.V. Veselov 136 (1987) 263
Michel-Beyerle, M.E., see W. Lersch 136 (1987) 346
Milgrom, L.R., see J. Davila 136 (1987) 427
Mo, K., see C.C. Sung 136 (1987) 9
Moc, J., Z. Latajka and H. Ratajczak, A theoretical study of the $SiCl_3$ and $GeCl_3$ radicals 136 (1987) 122
Molin, Yu.N., see A.V. Veselov 136 (1987) 263
Möller, T., M. Beland and G. Zimmerer, Bound–free fluorescence of rare gas hydrides 136 (1987) 551
Monson, P.A., see M. Lupkowski 136 (1987) 258
Moser, J., see N. Serpone 136 (1987) 47
Mougenot, P., J. Demuynck and M. Bénard, $Rh_2(O_2CR)_4(H_2O)_2^+$: theoretical confirmation of the $\sigma^2\pi^4\delta^2\delta^{*2}\pi^{*2}$ ground state 136 (1987) 279
Murray, J.S. and P. Politzer, The effects of water on hydrogen bonding in a formamide–ammonia complex 136 (1987) 283
Musso, G.F., see V. Magnasco 136 (1987) 303

Nagakura, S., see Y. Tanimoto 136 (1987) 42
Nakagaki, R., see Y. Tanimoto 136 (1987) 42
Nauts, A., see X. Chapuisat 136 (1987) 153
Nauts, A. and X. Chapuisat, Hamiltonians for constrained N-particle systems 136 (1987) 164

Nguyen, M.T. and T.-K. Ha, Ab initio calculation of the ionization potentials and hyperfine splitting constants of the radical anions FCl^- and Cl_2^- 136 (1987) 413
Niccolai, N., see C. Rossi 136 (1987) 506
Nieto-Frausto, J., see W.A. Wassam Jr. 136 (1987) 26
Nobes, R.H., M.W. Wong and L. Radom, The structure of the $C_2H_4^{2+}$ dication 136 (1987) 299

Ohashi, K., see H. Ohoyama 136 (1987) 236
Ohmichi, N., see J.P. Ziesel 136 (1987) 81
Ohoyama, H., T. Kasai, K. Ohashi and K. Kuwata, Observation of orientation-dependent CF_3 chemiluminescence in the reaction of $Ar(^3P_{0,2})$ with oriented CF_3H 136 (1987) 236
Ohta, K., M. Shiotani, J. Sohma, A. Hasegawa and M.C.R. Symons, Formation of methylpropargyl radicals from tetramethylcyclobutadiene radical cations: an ESR study 136 (1987) 465
Okada, N., see Y. Tanimoto 136 (1987) 42
Ongstad, A.P., see S.J. David 136 (1987) 352
Ongstad, A.P., S.J. David and R.D. Coombe, Interaction of trifluorohalomethanes with active nitrogen 136 (1987) 358
Onuki, H., see T. Ibuki 136 (1987) 447
Ortiz, J.V., Direct versus indirect many-body methods for calculating vertical electron affinities: applications to F^-, OH^-, NH_2^-, CN^-, Cl^-, SH^- and PH_2^- 136 (1987) 387

Paakkola, J., see P.K.J. Kinnunen 136 (1987) 539
Peter, R., see P. Börnert 136 (1987) 319
Pettitt, B.M. and M. Karplus, The structure of water surrounding a peptide: a theoretical approach 136 (1987) 383
Pfab, J., see M.R.S. McCoustra 136 (1987) 231
Phillips, D., see E.M. Gibson 136 (1987) 454
Phillips, S.B. and R.L. Lyke, Fluorescence kinetics of systems with a quasi-continuum of excited states 136 (1987) 247
Picard-Bersellini, A., see M. Broquier 136 (1987) 531
Pogliani, L., see C. Rossi 136 (1987) 506
Politzer, P., see J.S. Murray 136 (1987) 283
Polyakov, N.E., M.B. Taraban, T.V. Leshina, K.M. Salikhov and R.Z. Sagdeev, Application of the semiclassical approximation for the description of CIDNP effects in low magnetic fields in real multinuclear radical pairs with non-equivalent nuclei 136 (1987) 31
Poncon, V., see Y. Kalisky 136 (1987) 368

Qiu, Y., S. Zhou and J. Shi, Laser-induced fluorescence of HCF and HCCl 136 (1987) 93
Qiu, Y., S. Zhou and S. Liu, Reactions of fluorine atoms with iodides studied by crossed beam laser-induced fluorescence 136 (1987) 187

Radom, L., see P.M.W. Gill 136 (1987) 294
Radom, L., see R.H. Nobes 136 (1987) 299
Ramanathan, K.V., see B.S. Arun Kumar 136 (1987) 227
Ratajczak, H., see J. Moc 136 (1987) 122
Ravi Sekhar, Y., H. Bill and D. Lovy, The identification and structure of FSO_2 radical trapped in potassium sulphate crystals 136 (1987) 57
Ravishankara, A.R., see G.D. Greenblatt 136 (1987) 501

Razi Naqvi, K., A new look at fluorescence depolarization and the dynamics of anisotropic rotational diffusion 136 (1987) 407
Rebrion, C., J.B. Marquette, B.R. Rowe, N.G. Adams and D. Smith, Low-temperature reactions of some atomic ions with molecules of large quadrupole moment: C_6F_6 and c-C_6H_{12} 136 (1987) 495
Reisfeld, R., see Y. Kalisky 136 (1987) 368
Reuss, J., see N. Dam 136 (1987) 73
Richards, D.S. and D.W. Setser, Excitation-transfer studies of $N_2(A^3\Sigma_u^+)$ with S atoms and CS molecules 136 (1987) 215
Ritchie, R.H., see C.C. Sung 136 (1987) 9
Robert, J.B., see A.L. Barra 136 (1987) 224
Roebber, J.L., see L.D. Ziegler 136 (1987) 377
Ronchetti, M., see P. Tosi 136 (1987) 398
Ros, A.M.P., see A.P.J.M. Jongenelis 136 (1987) 181
Rosmus, P., see B. Follmeg 136 (1987) 562
Rossi, C., N. Marchettini, L. Pogliani, F. Laschi and N. Niccolai, Structural and dynamical studies of the relaxation effects induced by proton perturbation during ^{13}C spin–lattice relaxation rate measurements 136 (1987) 506
Rowe, B.R., see C. Rebrion 136 (1987) 495
Rückert, M., see D. Heidrich 136 (1987) 13
Rui, M., see V. Magnasco 136 (1987) 303

Sagdeev, R.Z., see N.E. Polyakov 136 (1987) 31
Sakaguchi, Y., see H. Hayashi 136 (1987) 436
Salikhov, K.M., see N.E. Polyakov 136 (1987) 31
Salvetti, G., see D. Bertolini 136 (1987) 67
Sapozhnikov, M.N., Dephasing, vibronic relaxation and homogeneous spectra of porphyrins in amorphous matrices by selective excitation of luminescence and hole burning 136 (1987) 192
Scheier, P., see T.D. Märk 136 (1987) 177
Scheier, P. and T.D. Märk, Triply charged argon clusters: production and stability (appearance energy and appearance size) 136 (1987) 423
Scherer, P.O.J. and S.F. Fischer, On the localization and charge transfer character of the "special pair" triplet states for bacterial reaction centers 136 (1987) 431
Schmidt, J., see A.P.J.M. Jongenelis 136 (1987) 181
Schneider, W., see P. Börnert 136 (1987) 319
Segal, E., see M.O. Vlad 136 (1987) 171
Serpone, N., D.K. Sharma, J. Moser and M. Grätzel, Reduction of acceptor relay species by conduction band electrons of colloidal titanium dioxide: light-induced charge separation in the picosecond time domain 136 (1987) 47
Setser, D.W., see D.S. Richards 136 (1987) 215
Sharma, D.K., see N. Serpone 136 (1987) 47
Shi, J., see Y. Qiu 136 (1987) 93
Shiotani, M., see K. Ohta 136 (1987) 465
Shiundu, P.M., see A.B. Callear 136 (1987) 342
Sindzingre, P., G. Ciccotti, C. Massobrio and D. Frenkel, Partial enthalpies and related quantities in mixtures from computer simulation 136 (1987) 35
Smith, D., see C. Rebrion 136 (1987) 495

Sohma, J., see K. Ohta 136 (1987) 465
Soumillion, J.Ph., see P. Vandereecken 136 (1987) 441
Stamatovic, A., see T.D. Märk 136 (1987) 177
Stolte, S., see N. Dam 136 (1987) 73
Sugioka, K., see Y. Tanimoto 136 (1987) 42
Sung, C.C., K. Mo and R.H. Ritchie, Dynamical corrections to the binding energy of a solvated electron 136 (1987) 9
Sunil, K.K., see V. Balaji 136 (1987) 309
Suryaprakash, N., see B.S. Arun Kumar 136 (1987) 227
Sylvain, M.G. and I.G. Csizmadia, Average dipole polarizabilities from the Unsöld approximation and ab initio data 136 (1987) 575
Symons, M.C.R., see K. Ohta 136 (1987) 465
Szmytkowski, C., Absolute total cross sections for electron–water vapour scattering 136 (1987) 363

Takahashi, M., see F. Kitamura 136 (1987) 62
Takemura, F., see Y. Tanimoto 136 (1987) 42
Tanaka, M., see H. Hayashi 136 (1987) 436
Tang, K.T., see M.S. Bowers 136 (1987) 145
Tanimoto, Y., N. Okada, M. Itoh, K. Iwai, K. Sugioka, F. Takemura, R. Nakagaki and S. Nagakura, Magnetic field effects on the fluorescence of intramolecular electron-donor–acceptor systems 136 (1987) 42
Taraban, M.B., see N.E. Polyakov 136 (1987) 31
Ter Meulen, J.J., see G. Meijer 136 (1987) 519
Torres-Vega, Go., see W.A. Wassam Jr. 136 (1987) 26
Tosi, P., M. Ronchetti and A. Laganà, Computational evidence for the existence of two mechanisms for the vibrational relaxation of O_2^+ by collision with Kr 136 (1987) 398
Toyoshima, Y., see T. Ibuki 136 (1987) 447
Trinajstić, N., see T.P. Živković 136 (1987) 141
Tsunooka, M., see H. Hayashi 136 (1987) 436
Tsvetkov, Yu.D., see A.V. Astashkin 136 (1987) 204
Tsvetkov, Yu.D., see A.V. Astashkin 136 (1987) 335
Tulkki, A.-P., see P.K.J. Kinnunen 136 (1987) 539

Udvardi, L., see I. László 136 (1987) 418

Van der Auweraer, M., see P. Vandereecken 136 (1987) 441
Vandereecken, P., J.Ph. Soumillion, M. van der Auweraer and F.C. de Schryver, The photophysics of alkali naphtholates: lifetimes of contact and solvent-separated ion pairs present simultaneously in weakly polar solvents 136 (1987) 441
Veselov, A.V., V.I. Melekhov, O.A. Anisimov and Yu.N. Molin, The induction of quantum beats by the Δg mechanism in radical ion pair recombination 136 (1987) 263
Vibók, Á., see I. Mayer 136 (1987) 115
Vigué, J., see B. Girard 136 (1987) 101
Virtanen, J.A., see P.K.J. Kinnunen 136 (1987) 539
Vlad, M.O. and E. Segal, Age–length distribution functions for linear chain reactions 136 (1987) 171

Wallace, S.C., see D.R. Demmer 136 (1987) 329

Wang, H., HF($B^1\Sigma \rightarrow X^1\Sigma$) UV chemiluminescence from the $H^+/H_2^+ + F^-$ ion–ion reactions 136 (1987) 487
Wang, X.-C., see M.R. Hoffmann 136 (1987) 392
Washida, N., see T. Ibuki 136 (1987) 447
Wassam Jr., W.A., Go. Torres-Vega and J. Nieto-Frausto, Dual Lanczos transformation theory: exact continued fraction expression for resonant γ-ray absorption spectrum of a harmonically bound atom executing classical motion described by Smoluchowski dynamics 136 (1987) 26
Watson, J.K.G., see M.B. Bell 136 (1987) 588
Weide, D., P. Andresen and H.-J. Freund, UV laser stimulated resonant desorption from metal surfaces: NO/Ni(100) 136 (1987) 106
Werner, H.-J., see B. Follmeg 136 (1987) 562
Wong, M.W., see R.H. Nobes 136 (1987) 299

Yanagi, H., see H. Hayashi 136 (1987) 436

Zare, R.N. and R.D. Levine, Mechanism for-bond selective processes in laser desorption 136 (1987) 593
Zgierski, M.Z., Vibronic coupling, mode mixing and non-Condon effects in Raman excitation profiles of totally symmetric modes 136 (1987) 252
Zhang, C., see X. Chen 136 (1987) 546
Zhao, H., see X. Chen 136 (1987) 546
Zhou, S., see Y. Qiu 136 (1987) 93
Zhou, S., see Y. Qiu 136 (1987) 187
Ziegler, L.D. and J.L. Roebber, Resonance hyper-Raman scattering spectra of ammonia 136 (1987) 377
Ziesel, J.P., Y. Malinovich, N. Ohmichi and C. Lifshitz, Time-dependent mass spectra and breakdown graphs: the decarbonylation of tropone 136 (1987) 81
Zimmerer, G., see T. Möller 136 (1987) 551
Živković, T.P. and N. Trinajstić, On the number of Kekulé structures of unbranched cata-condensed benzenoid chains 136 (1987) 141